

City of Lee's Summit

PUBLIC WORKS DEPARTMENT/ENGINEERING DIVISION

220 SE Green Street

Lee's Summit, Missouri 64063

(816) 969-1800 FAX (816) 969-1810

Thursday, March 15, 2012

Applicant: ENGINEERING SOLUTIONS, LLC
317 SW MARKET
LEE'S SUMMIT, MO 64063

Re: Engineering Plan Review
LICATA FLOWERS STORM SEWER MODIFICATIONS
PL2012025

Dear: ENGINEERING SOLUTIONS, LLC

The Public Works Department received drawings for this site dated March 1, 2012. These plans were received by our department on March 2, 2012. We have completed our review and offer the following comments.

Engineering Review

1. The stormwater report consists of a collection of hydrographs with no discussion or conclusions. At a minimum, the report must discuss 1) why the changes are being proposed, 2) total volume of the original underground detention configuration, 3) revised volume of the underground detention configuration, and 4) conclusions concerning the adequacy of the revised design to meet the design standards of existing runoff versus post-development runoff. The report must be sealed, signed and dated by a Professional Engineer licensed in the State of Missouri.
2. If corrugated metal pipe is being specified for this project, then it will need to be aluminized in accordance with the City's Design and Construction Manual.
3. Since this plan is a revision to an existing Final Development Plan, it will need to be a stand-alone plan. It will need to be labeled as such (e.g., sheet 1 of 2, etc., rather than inserting this revised sheet into the existing plan set).
4. The title of the plan set must be labeled as "Revision to..." or similar language since this is a stand-alone plan set.
5. Standard notes must be included in the plan set concerning 48 notice to inspections, plan set shall meet the requirements of the City of Lee's Summit Design and Construction Manual as adopted by Ordinance 4813, etc.
6. A profile must be included with the plan set.

A sealed Engineer's Opinion of Probable Construction Costs should accompany your final submittal copies. Public Works' review and inspection fee is based on that cost. The following items, both materials and installation, should be included in the itemized estimate.

- Any water line larger than 2" in diameter, valves, hydrants, and backflow preventer with vault, if outside the building
- All storm water piping, structures, and detention/retention facilities
- All sanitary sewer manholes and piping between manholes, including private mains
- All public infrastructure, both onsite and offsite
- All grading for detention/retention ponds
- All erosion control devices
- The connection of the building sewer stub to the public main
- All private street construction, excluding parking lots, drive approaches and sidewalks

Please feel free to contact me at 816-969-1800 if there are any questions.

Sincerely,

Gene A. Williams, P.E., Senior Staff Engineer